



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of

Volkmar UHLENDORF et al.

Group Art Unit: 3642

Serial No.: 09/228,972 *ng*

Examiner: D. Pihulic

Filed: January 12, 1999

For: ULTRASONIC PROCESSES AND CIRCUITS FOR PERFORMING THEM

*Dec*  
*3/17/99*  
*Holmes*

**SECOND PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

*3-18-99*  
Prior to examination of the above-identified application, kindly amend the application as follows.

**IN THE SPECIFICATION**

Add the drawing Figures 1-10 submitted in the Submission of Formal Drawings filed concurrently.

**IN THE CLAIMS**

Add the following new claims:

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GROUP 3600

*C1*  
*16-39* A process for imaging an examination area containing an ultrasonic contrast agent, which comprises:

subjecting the examination area to ultrasonic energy of frequency,  $f_0$ , and imaging the examination area using reflected and/or backscattered signals generated by non-linearity of the contrast agent.

*17 40* The process of claim *16*, wherein the examination area is subjected to ultrasonic energy in a broad bandwidth.

03/12/1999 HBARHOL 00000140 09228972

01 FC:102  
02 FC:103

156.00 OP  
90.00 OP